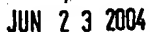


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Application Number	09/835,663
Filing Date	04/16/2001 JUN 25 2004
First Named Inventor	Wein
Art Unit	2152 Technology Center 2100
Examiner Name	
Attorney Docket Number	03142.00011.15

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
CZ	20	US- 6,006,264	12/1999	Colby et al.	
	21	US- 6,052,718	04/2000	Gifford	
	22	US- 6,112,239	08/2000	Kenner et al.	
	23	US- 6,115,752	09/2000	Chauhan	
	24	US- 6,119,143	09/2000	Dias et al.	
	25	US- 6,134,583	10/2000	Herriot	
	26	US- 6,144,996	11/2000	Starnes et al.	
	27	US- 6,154,744	11/2000	Kenner et al.	
	28	US- 6,178,160	01/2001	Bolton et al.	
	29	US- 6,181,867	01/2001	Kenner et al.	
	30	US- 6,185,598	02/2001	Farber et al.	
	31	US- 6,185,619	02/2001	Joffe et al.	
	32	US- 6,230,196	05/2001	Guenthner et al.	
	33	US- 6,256,675	07/2001	Rabinovich	
	34	US- 6,269,394	07/2001	Kenner et al.	
	35	US- 6,314,565	11/2001	Kenner et al.	
CZ	36	US- 6,370,571	04/2002	Medin, Jr.	
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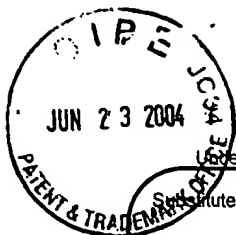
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NON PATENT LITERATURE DOCUMENTS			
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CZ	1	Beavan, Colin "Web Life They're Watching You." Esquire, August 1997, pgs. 104-105	
	2	Bestavros, Azer. "Speculative Data Dissemination and Service to Reduce Server Load, Network Traffic and Service Time in Distributed Information Systems." In Proceedings of ICDE '96: The 1996 International Conference on Data Engineering, March 1996, 4 pgs.	
	3	Shaw, David M. "A Low Latency, High Throughput Web Service Using Internet-wide Replication." Department of Computer Science, Johns Hopkins University, August 1998, 33 pgs.	
	4	Amir, Yair, et al. "Seamlessly Selecting the Best Copy from Internet-Wide Replicated Web Servers." Department of Computer Science, Johns Hopkins University, June 1998, 14 pgs.	
	5	BRAUN et al., Web traffic characterization: as assessment of the impact of caching documents from NCSA's web server, Proceedings of the Second Int'l WWW Conference, September, 1994	
	6	"Cisco Distributed Director", http://www.cisco.com/warp/public/751/distdir/dd_wp.htm posted February 21, 1997	REVERSE PROXY CONF http://help.netscaler.com/faq/faq11.htm , November
	7	"How to Cost-Effectively Scale Web Servers", http://www.cisco.com/warp/public/784/5.html posted November 12, 1996	17
	8	"Ibnamed, a load balancing name server written in Perl", http://www.stanford.edu/~schemers/docs/Ibnamed/Ibnamed.html January 19, 1995	
	9	"Exporting Web Server Final Report", http://www.cs.technion.ac.il/Labs/Lccn/projects/spring97/project4/final_report.html , Spring 1997	
CZ	10	JEFFREY ET AL., "Proxy-Sharing Proxy Servers", 1996 IEEE, pp. 116-119	

Examiner Signature	<i>Cheryl J. J.</i>	Date Considered	11/9/04
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Application Number 09/835,663

Filing Date 04/16/2001

JUN 25 2004

First Named Inventor Wein

Art Unit 2152

Technology Center 2100

Examiner Name

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Attorney Docket Number 03142.00011.15

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CE	11	Excerpts from www.sandpiper.com Web site, November 27, 1999 (14 pages)	
	12	LUOTONEN ET AL., "World-Wide Web Proxies" CERN April 1994	
	13	OGUCHI ET AL., "A Study of Caching Proxy Mechanisms Realized on Wide Area Distributed Networks", High Performance Distributed Computing, 1996 5th Int'l Symposium, pp. 443-449	
	14	KWAN ET AL., "NCSA's World Wide Web Server: Design and Performance" IEEE November 1995, pp. 68-74	
	15	MALPANI ET AL., "Making World Wide Web Caching Servers Cooperate", http://bmrc.berkeley.edu/papers/1995/138/paper-59.html , 1995	
	16	ROSS, "Hash Routing for Collections of Shared Web Caches", IEEE Network November/December 1997 pp 37-44	
	17	REVERSE PROXY CONTENT RE-MAPPER FOR NETSCAPE PROXY 2.52 & 2.53 http://help.netscape.com/products/server/proxy/documentation/rp_mapper.html , November 1997	
	18	"Super Proxy Script - How to make distributed proxy servers by URL hashing" Sharp, http://naragw.sharp.co.jp/sps/ Copyright 1996-2000	
	19	Mark E Crovella and Robert L. Carter. Dynamic server selection in the Internet. In Third IEEE Workshop on the Architecture and Implementation of High Performance Computer Systems'95, pages 158-162, Mystic, Connecticut, August 1995.	
CE	20	S. Bhattacharjee, M. H. Ammar, E. W. Zagura, V. Shah, and Z. Fei. Application-layer anycasting. In Proceedings of the IEEE INFOCOM '97, 1997.	

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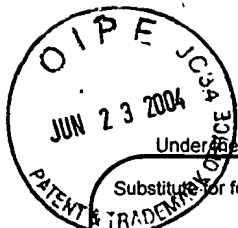
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Application Number 09/835,663

Filing Date 04/16/2001

First Named Inventor Wein

Art Unit 2152

Examiner Name

Attorney Docket Number 03142.00011.15

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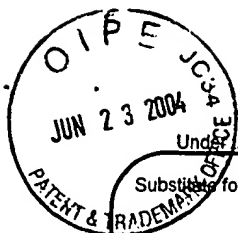
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CZ	21	Z. Fei, S. Bhattacharjee, E. W. Zegura, and M. H. Ammar, "A novel server selection technique for improving the response time of a replicated service," in Proceedings of INFOCOM '98, March 1998.	
	22	R. Carter and M. Crovella. Server selection using dynamic path characterization in Wide-Area Networks. in IEEE Infocom'97, 1997.	
	23	J. Guyton and M. Schwartz. Locating nearby copies of replicated internet servers. In Proceedings of ACM SIGCOMM'95, pages 288-298, 1995.	
	24	M. Seltzer and J. Gwertzman. The Case for Geographical Pushcaching. In Proceedings of the 1995 Workshop on Hot Operating Systems, 1995.	
	25	Bestavros, A. and C. Cunha (1996), "Server-Initiated Document Dissemination for the WWW," IEEE Data Engineering Bulletin 19, 3-11.	
	26	R. L. Carter and M. E. Crovella. Dynamic server selection using bandwidth probing in wide-area networks. Technical Report BU-CS-98-007, Computer Science Department, Boston University, March 1998.	
	27	BAKER S. M. ET AL. "Distributed cooperative Web servers" Gwertzman, James, et al. "The COMPUTER NETWORKS, Elsevier Science Publishers, B.V. 37 vol. 31, no. 11-16, 17 May 1999, pages 1215-1229	
	28	KARGER D. ET AL. "Web caching with consistent hashing" COMPUTER NETWORKS, Elsevier Science Publishers, B.V., vol. 31, no. 11-16, 17 May 1999, pages 1203-1213	
	29	BERNERS-LEE et al., RFC 1738 - Uniform Resource Locators, December, 1994	
CZ	30	POSTEL, RFC 1591 - Domain Name System Structure and Delegation, March, 1994	

Examiner Signature		Date Considered	11/9/04
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Application Number	09/835,663
Filing Date	04/16/2001
First Named Inventor	Wein
Art Unit	2152
Examiner Name	
Attorney Docket Number	03142.00011.15

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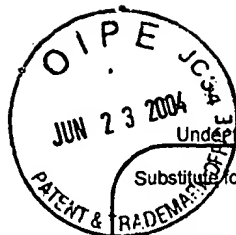
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CZ	31	MOCKAPETRIS et al., Development of the Domain Name System, Proceedings of SIGCOMM '88 Computer Communication Review, Vol. 18, No. 4, August 1988	
	32	WESSELS, Intelligent Caching For World-Wide Web Objects, Masters Thesis, University of Colorado, 1995	
	33	SMITH, What can Archives offer the World Wide Web? March 22, 1994	
	34	ALBITZ et al., "How Does DNS Work?" Chapter 2, DNS and BIND, O'Reilly & Associates, Inc., 1992, pp. 13-38	
	35	Overview of the Cisco DistributedDirector 2500 Series, actually publication date unknown, but believed to be in 1997	
	36	Chankhunthod, Anawat, et al. "A Hierarchical Internet Object Cache." In USENIX Proceedings, January 1996, pgs. 153-163.	
	37	Gwertzman, James, et al. "The Case for Geographical Push-Caching." Technical Report HUI TR 34-94 (excerpt), Harvard University, DAS, Cambridge, MA 02138, 1994, 2 pgs.	
	38	Gwertzman, James, et al. "World-Wide Web Cache Consistency." In Proceedings of the 1996 USENIX Technical Conference, January 1996, 8 pgs.	
	39	Karger, David, et al. "Consistent Hashing and Random Trees: Distributed Caching Protocols for Relieving Hot Spots on the World Wide Web." In Proceedings of the Twenty-Ninth Annual ACM Symposium on Theory of Computing, May 1997, pgs. 654-663.	
CZ	40	Malpani, Radhika, et al. "Making World Wide Web Caching Servers Cooperate." In Proceedings of World Wide Web Conference, 1996, 6 pgs.	

Examiner Signature	<i>Chad E</i>	Date Considered	4/9/04
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Application Number 09/835,663

Filing Date 04/16/2001

First Named Inventor Wein

Art Unit 2152

Examiner Name

Attorney Docket Number 03142.00011.15

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CZ	41	Palmer, Mark, et al. "Fido: A Cache that Learns to Fetch." In <i>Proceedings of the 17th International Conference on Very Large Data Bases</i> , September 1991, pgs. 255-264.	
CZ	42	Panigrahy, Rina. <u>Relieving Hot Spots on the World Wide Web</u> . Massachusetts Institute of Technology, June 1997, pgs. 1-66.	

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